T.			Ctr. Jan.	Auton	notive: Electronics – 1 of 2
	de and Industrial Education	School Year	Student:		Grade:
	rse: Automotive: Electronics		Teacher: Sch	iool:	
Cou	rse Code # 5713	Term:FallSpring	Number of Competencies in Co	ourse: 43	
2 C	redits		Number of Competencies Mastered:		
			Percent of Competencies Maste		
ΓΑΝΙ	DARD 1.0: Students will demonstrate lead	ership, citizenship, and teamwork ski	ills required for success in the school	, community, an	d workplace.
arnin	g Expectations	Check the appropriate the Check the appropriate the control of the check the appropriate the check the che	oriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Lead a team.				
1.2	Participate in SkillsUSA-VICA as an integral part of c	lassroom instruction.			
1.3	Assess client complaint and apply problem-solving an	d decision-making skills to communicate with th	e client.		
1.4	Demonstrate teamwork skills.				
	DARD 2.0: Students will demonstrate auto nmental Protection Agency (EPA) require			ealth Administra	tion (OSHA) and
	g Expectations		oriate Mastery or Non-Mastery column	Mastery	Non-Mastery
	-				
2.1	Determine safe and correct procedures for working wi				
	Use protective clothing, eye protection, and safety equ	ipment.			
2.3	Use fire protection equipment.	· · · · · · · · · · · · · · · · · · ·			
2.4	Follow OSHA and EPA regulations and manufacturer		c automotive systems.		
2.6	Respond to safety communications referring to electric	•			
2.7	Pass with 100 % accuracy a written examination relating to safety issues. Pass with 100% accuracy a performance examination relating to safety.				
2.7			4-1-41-41-41-41-41-41-41-41-41-41-41-41-		
2.8	Maintain a portfolio record of written safety examinat instructor.	ions and equipment examinations for which the s	student has passed an operational enection by the	3	
ΓANI	DARD 3.0: Students will apply fundamenta	al electrical, electronic, and electrom	agnetic concepts to automotive servi	ce technology.	
arnin	g Expectations	Check the appropriate the Check the appropriate the control of the check the appropriate the check t	oriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Analyze the basic characteristics of electricity.				
3.2	Apply Ohm's law to automotive technology.				
3.3	Examine electrical circuit structures.				
3.4	Determine the role of electromagnetism in automotive	technology.			
3.5	Explore the use of Digital Multimeters (DMM) in automotive technology.				
ΓAN	DARD 4.0: Students will properly test, diag	gnose, and repair or service automoti	ive general electrical systems.		•
	g Expectations		priate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Interpret schematics, diagrams, and reference informa	tion used in automotive electrical diagnosis.			
4.2	Use strategy-based diagnostics for determining the car				
4.3	Demonstrate the use of equipment and tools for electric				

STANDARD 5.0: Students will properly test, diagnose, and service automotive batteries.				
Learnin	g Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Analyze the function and operation of a battery.			
5.2	Diagnose battery problems.			
5.3	Perform battery service.			

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STANDARD 6.0: Students will properly test, diagnose, and rep	pair or service automotive starting systems.
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OARD 6.0: Students will properly test, diagnose, and repair or service automotive starting systems.				
g Expectations Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery		
Analyze the function and operation of an automotive starting system.				
Diagnose starting system problems.				
Perform starting system service.				
OARD 7.0: Students will properly test, diagnose, and repair or service automotive charging systems.				
g Expectations Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery		
Analyze the function and operation of an automotive charging system.				
Diagnose charging system problems.				
Perform charging system service.				
OARD 8.0: Students will properly test, diagnose, and repair or service automotive lighting systems.				
g Expectations Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery		
Analyze the operation of automotive lighting systems.				
Diagnose lighting system problems.				
Perform lighting system service.				
	circuits, and el			
g Expectations Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery		
Analyze the operation of automotive gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories.				
Diagnose problems with gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories.				
9.3 Perform repairs on gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories.				
OARD 10.0: Students will demonstrate communication skills required in the automotive service industry.		-		
g Expectations Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery		
Communicate and comprehend oral and written information pertaining to electrical and electronic systems.				
Solve electrical problems and make decisions using a logical process.				
Use teamwork skills to solve problems relating to electrical and electronic system issues.				
OARD 11.0: Students will demonstrate interpersonal and employability skills required in the automotive service indus	stry.			
g Expectations Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery		
Infer relationships between honesty, integrity, and organization and personal job success.				
Demonstrate attitudes conducive to workplace success.				
Maintain electrical and electronic equipment in a neat and orderly work area.				
Assess implications of cultural and religious diversity for classroom and workplace relationships.				
Develop individual and team time management and work sequencing skills to increase productivity in electrical and electronic systems diagnostics and repair.				
	Analyze the function and operation of an automotive starting system. Diagnose starting system problems. Perform starting system problems. DARD 7.0: Students will properly test, diagnose, and repair or service automotive charging systems. g Expectations Check the appropriate Mastery or Non-Mastery column Analyze the function and operation of an automotive charging system. Diagnose charging system problems. Perform charging system problems. Perform charging system service. DARD 8.0: Students will properly test, diagnose, and repair or service automotive lighting systems. g Expectations Check the appropriate Mastery or Non-Mastery column Analyze the operation of automotive lighting systems. Diagnose lighting system service. DARD 9.0: Students will properly test, diagnose, and repair automotive gauges, driver information systems, warning. g Expectations Check the appropriate Mastery or Non-Mastery column Analyze the operation of automotive gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories. Diagnose problems with gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories. Diagnose problems with gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories. Diagnose problems will demonstrate communication skills required in the automotive service industry. g Expectations Check the appropriate Mastery or Non-Mastery column Communicate and comprehend oral and written information pertaining to electrical and electronic systems. Solve electrical problems and make decisions using a logical process. Use teamwork skills to solve problems relating to electrical and electronic systems. Check the appropriate Mastery or Non-Mastery column Infer relationships between honesty, integrity, and organization and personal job success. Demonstrate attitudes conducive to workplace success. Maintain electrical and electronic eyupment in a neat and o	Check the appropriate Mastery or Non-Mastery column Mastery Analyze the function and operation of an automotive starting system. Dagnose starting system problems. Perform starting system problems. Barb P. Da RD 7.0: Students will properly test, diagnose, and repair or service automotive charging systems. Expectations Check the appropriate Mastery or Non-Mastery column Mastery Analyze the function and operation of an automotive charging system. Diagnose charging system service. DARD 8.0: Students will properly test, diagnose, and repair or service automotive lighting systems. Expectations Check the appropriate Mastery or Non-Mastery column Mastery Analyze the operation of automotive lighting systems. Expectations Check the appropriate Mastery or Non-Mastery column Mastery Analyze the operation of automotive lighting systems. Diagnose lighting system problems. Perform lighting system service. DARD 9.0: Students will properly test, diagnose, and repair automotive gauges, driver information systems, warning circuits, and elegate the operation of automotive gauges, sending units, warning lights, speedometers, tachometers, electronic instrument panels and accessories. Diagnose problems with gauges, sending units, warning lights, speedometers, electronic instrument panels and accessories. Dard D 10.0: Students will demonstrate communication skills required in the automotive service industry. Check the appropriate Mastery or Non-Mastery column Mastery Check the appropriate Mastery or Non-Mastery column Mastery Communicate and comprehend oral and written information pertaining to electronic instrument panels and accessories. DARD 10.0: Students will demonstrate communication skills required in the automotive service industry. Check the appropriate Mastery or Non-Mastery column Mastery Check the appropriate Mastery or Non-Mastery column Mastery Infer relationships between honesty, integrity, and organization and personal job success. Demonstrate attitudes conductive to workplace access. Maintain		

Additional Comments		